

**INTEGRATED
PLUMBING SOLUTION
IN STAINLESS STEEL**

**STAINLESS
SUSTAINABLE
SAFE**



HERITAGE OF JINDALS

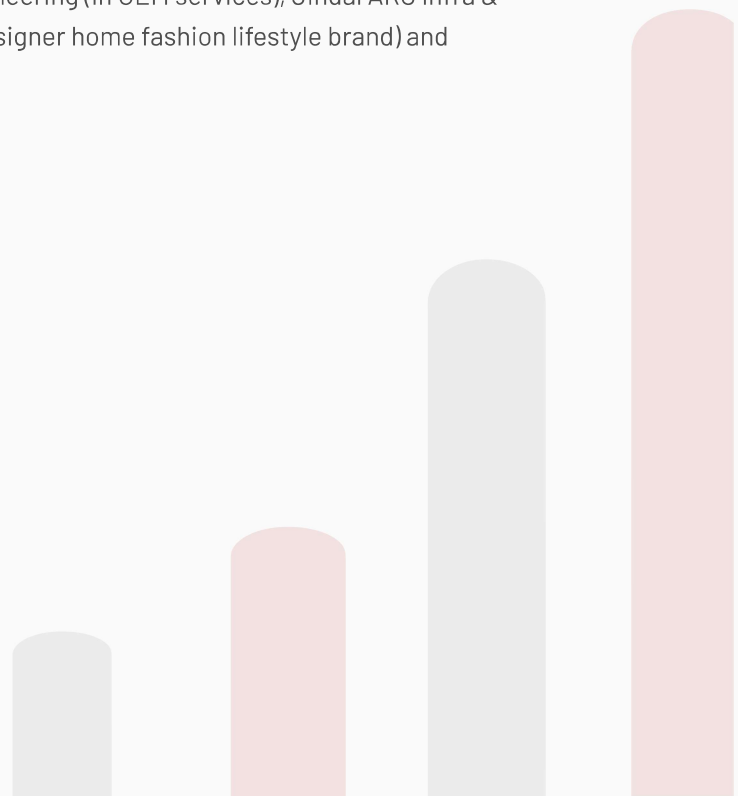
Established in 1970 by steel visionary Mr OP Jindal, Jindal Group has panned across 50+ countries marking a global footprint and positioned as top 5 business conglomerates in India. The group is backed by a workforce of diverse professionals, churning business of over \$25 billion annually.

Jindal Stainless is an eminent part of the massive Jindal Group, contributing a staggering INR \$2.9B annually through its varied businesses. It is one of the world's largest integrated manufacturer of stainless steel. The group has a state-of-the-art stainless-steel plant in Odisha and is a market leader in galvanized steel and saw pipes.

Jindal Lifestyle is an absolute subsidiary of Jindal Stainless Ltd, founded 19 years ago, dedicated towards finished products of stainless steel. Jindal Lifestyle is committed to creating an 'aspirational stainless culture' in India in both B2C and B2B domains. It strives to bring richer life experiences by infusing modern functionalities and designs into stainless steel. With our state-of-the-art massive manufacturing capabilities in Chennai, Ro had and Pathredi, we deliver scale, quality and finish of global repute.

LEGACY OF ABSOLUTE INTEGRATION

Jindal Lifestyle is India's largest integrated stainless steel solution provider, proffering a range of products and services through its diversified verticals - Value Engineering (in OEM services), Jindal ARC Infra & Plumbing Solutions, Arttd'inox homeware (a premium designer home fashion lifestyle brand) and Arttd'inox homespace (bespoke stainless steel kitchens).



ABOUT JINDAL ARC PLUMBING

We are an integrated plumbing solution provider that extends precisely engineered stainless steel pipes and fittings. We deliver solutions that transform job-site efficiencies by understanding the needs of plumbing contractors both from a large project perspective to a single application.

In today's world, where consumers are well exposed to the healthy way of living, stainless steel is becoming a way of life. After generations, the present world millennials are returning to the old ways with modern sensibilities. Our entire product range is exclusively in EN 316L & JIS 304 grade stainless steel. Given that stainless steel is widely known as 'Green Metal', it is the only metallic material that is suitable for 'drinking-water pipes'. With the best in class manufacturing capabilities, global technologies and best in class quality standard assurance, Jindal Arc Plumbing is your one-stop solution for all the plumbing requirements. Being resistant to corrosion and high on hygiene maintenance, the stainless-steel pipes preserves water from contaminating.

SUSTAINABLE AND SAFE SOLUTION IN STAINLESS

STANDARDS

JIS 304

JIS 316L

EN 316L

RANGES

SCHEDULE 40

SCHEDULE 10

SEAMLESS

PIPE RANGE DESCRIPTION (IN MM)

EN 316L	OD	15	22	28	35	42	54	76.1	88.9	108
	Thickness	1.0	1.2	1.2	1.5	1.5	1.5	2.0	2.0	2.0
JIS 304 JIS 316L	OD	15.88	22.22	28.58	34	42.7	48.5	76	89.1	108
	Thickness	0.8	1	1	1.2	1.2	1.2	2.0	2.0	2.0
SCHEDULE 10 Grade 304 & 316	OD	15	20	25	32	40	50	65	80	100
	Thickness	2.11	2.11	2.77	2.77	2.77	2.77	3.05	3.05	3.05
	OD	150	200	250	300	350				
	Thickness	3.4	3.76	4.19	4.57	4.78				
SCHEDULE 40 Grade 304 & 316	OD	15	20	25	32	40	50	65	80	100
	Thickness	2.77	2.87	3.38	3.56	3.68	3.91	5.16	5.49	6.02
	OD	150	200	250	300	350				
	Thickness	7.11	8.18	8.74	9.52	11.13				

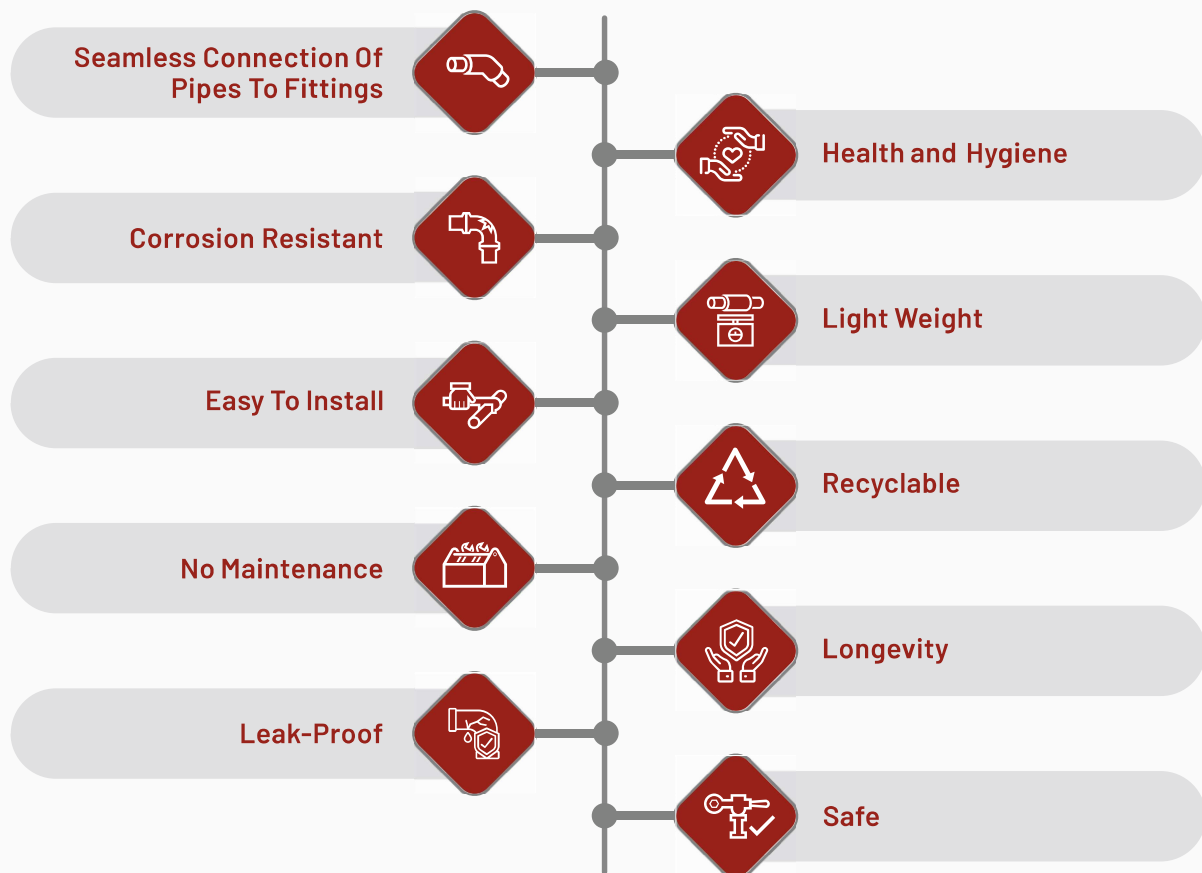
POWERFUL VALUE PROPOSITION

FOR CONSUMERS AND BUSINESS PARTNERS

WHERE TO USE?

- Distribution of Potable Water in Buildings
- Distribution of Gas in Buildings
- Plumbing Systems in High-Rise or Independent Projects -
 - Commercial (Hospitals, Offices, Hotels, Conveniences)
 - Industrial
 - Residential
- Niche Naval Construction Projects
- Niche construction of Offshore Projects

WORLD OF BENEFITS



EPDM polymer is non-resistant to combustible gases, oil, gasoline, turpentine & hydrocarbon in general.

PRODUCT OVERVIEW

EN 316L

SOCKET

SIZE (MM)
15
22
28
35
42
54
76.1
88.9
108



JIS 304

SOCKET

SIZE (MM)
15
20
25
32
40
50
76
88.9
100

90 ELBOW

SIZE (MM)
15
22
28
35
42
54
76.1
88.9
108



90 ELBOW

SIZE (MM)
15
20
25
32
40
50
76
88.9
100

45 ELBOW

SIZE (MM)
15
22
28
35
42
54



45 ELBOW

SIZE (MM)
15
20
25
32
40
50

PRODUCT OVERVIEW

EN 316L

EQUAL TEE

SIZE (MM)
15
22
28
35
42
54
76.1
88.9
108



JIS 304

EQUAL TEE

SIZE (MM)
15
20
25
32
40
50
76
88.9
100

REDUCING TEE

SIZE (MM)
22 X 15
28 X 15
28 X 22
35 X 15
35 X 22
35 X 28
42 X 15
42 X 22
42 X 28
42 X 35
54 X 15
54 X 22
54 X 28
54 X 35
54 X 42



REDUCING TEE

SIZE (MM)
20 X 15
25 X 15
25 X 20
32 X 15
32 X 20
32 X 25
40 X 15
40 X 20
40 X 25
40 X 32
50 X 15
50 X 20
50 X 25
50 X 32
50 X 40

FLANGE

SIZE (MM)
54
76.1
88.9
108



FLANGE

SIZE (MM)
15
20
25
32
40
50
88.9
100

PRODUCT OVERVIEW

EN 316L

FTE

SIZE (MM)
15 X 1/2
22 X 3/4
28 X 1



JIS 304

FTE

SIZE (MM)
15 X 1/2
20 X 1/2
20 X 3/4
25 X 1

TEE FEMALE THREAD

SIZE (MM)
15 X 1/2
22 X 1/2
22 X 3/4
28 X 1/2
28 X 3/4
28 X 1
35 X 1/2
35 X 1-1/4
42 X 1-1/4
54 X 1-1/2
54 X 2



TEE FEMALE THREAD

SIZE (MM)
15 X 1/2
20 X 1/2
20 X 3/4
25 X 1/2
25 X 3/4
25 X 1
32 X 1/2
32 X 1-1/4
40 X 1/2
40 X 1-1/4
40 X 1/2
50 X 1/2
50 X 3/4

TEE MALE THREAD

SIZE (MM)
15 X 1/2
22 X 3/4
28 X 1
35 X 1-1/4
42 X 1-1/2
54 X 2



TEE MALE THREAD

SIZE (MM)
15 X 1/2
20 X 3/4
25 X 1
32 X 1-1/4
40 X 1-1/2
50 X 2

PRODUCT OVERVIEW

EN 316L

MTA

SIZE (MM)
15 X 1/2
22 X 1/2
22 X 3/4
28 X 1
35 X 1-1/4
42 X 1-1/2
54 X 2



JIS 304

MTA

SIZE (MM)
15 X 1/2
20 X 1/2
20 X 3/4
25 X 3/4
25 X 1
32 X 1
32 X 1-1/4
40 X 1-1/4

FTA

SIZE (MM)
15 X 1/2
22 X 3/4
28 X 1
35 X 1-1/4
42 X 1-1/2



FTA

SIZE (MM)
15 X 1/2
20 X 1/2
20 X 3/4
25 X 1/2
25 X 3/4
25 X 1
32 X 1

SLEEVE COUPLING

SIZE (MM)
15
22
28
35
42
54
76.1
88.9
108



SLEEVE COUPLING

SIZE (MM)
15
20
25
32
40
50
76
88.9
100

PRODUCT OVERVIEW

EN 316L

END CAP

SIZE (MM)
15
22
28
35
42
54
76.1
88.9
108



JIS 304

END CAP

SIZE (MM)
15
20
25
32
40
50
76
88.9
100

UNION FEMALE

SIZE (MM)
15 X 1/2
22 X 1/2
22 X 3/4
28 X 1
35 X 1-1/4
42 X 1-1/2



UNION FEMALE

SIZE (MM)
15 X 1/2
15 X 3/4
20 X 1/2
20 X 3/4
25 X 1
32 X 1-1/4
40 X 1-1/2
50 X 2

UNION MALE

SIZE (MM)
15 X 1/2
22 X 1/2
22 X 3/4
28 X 1
35 X 1-1/4
42 X 1-1/2
54 X 2



UNION MALE

SIZE (MM)
15 X 1/2
15 X 3/4
20 X 1/2
20 X 3/4
25 X 1
32 X 1-1/4
40 X 1-1/2
50 X 2

PRODUCT OVERVIEW

EN 316L

REDUCING SOCKET

SIZE (MM)
22 X 15
28 X 15
28 X 22
35 X 15
35 X 22
35 X 28
42 X 15
42 X 22
42 X 28
42 X 35
54 X 15
54 X 22
54 X 28
54 X 35
54 X 42
76.1 X 22
76.1 X 28
76.1 X 35
76.1 X 42
76.1 X 54
88.9 X 22
88.9 X 28
88.9 X 35
88.9 X 42
88.9 X 54
88.9 X 76.1
108 X 35
108 X 42
108 X 54
108 X 76.1
108 X 88.9



JIS 304

REDUCING SOCKET

SIZE (MM)
20 X 15
25 X 15
25 X 20
32 X 15
32 X 20
32 X 25
40 X 15
40 X 20
40 X 25
40 X 32
50 X 15
50 X 20
50 X 25
50 X 32
50 X 40
76 X 20
76 X 25
76 X 32
76 X 40
76 X 50
88.9 X 20
88.9 X 25
88.9 X 32
88.9 X 40
88.9 X 50
88.9 X 76
100 X 20
100 X 25
100 X 32
100 X 40
100 X 50
100 X 76
100 X 88.9

CROSSOVER

SIZE (MM)
15
22
28



CROSSOVER

SIZE (MM)
15
20
25

PRODUCT OVERVIEW

EN 316L

90 BEND ONE SIDE PLAIN

SIZE (MM)
15
22
28
35
42
54
76.1
88.9
108



JIS 304

90 BEND ONE SIDE PLAIN

SIZE (MM)
15
20
25
32
40
50
76
88.9
100

45 BEND ONE SIDE PLAIN

SIZE (MM)
15
22
28
35
42
54
76.1
88.9
108



45 BEND ONE SIDE PLAIN

SIZE (MM)
15
20
25
32
40
50
76
88.9
100

HEX NIPPLE

SIZE (MM)
15
22
28
35
42
54
76.1
88.9
108



HEX NIPPLE

SIZE (MM)
15
20
25
32
40
50
76
88.9
100

FIRM TECH DILIGENCE FOR SUSTAINABLE DELIVERY

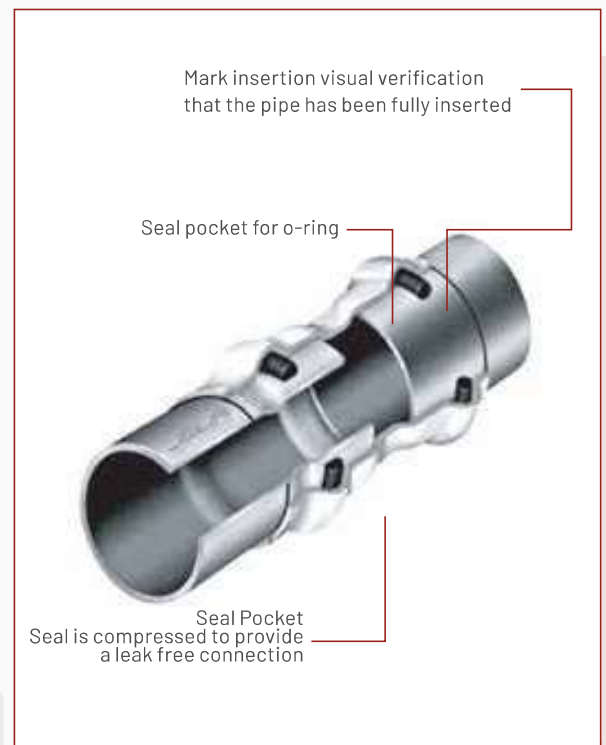
Product	Grade	Standard	Recommended For	Recommended Application
Pipe	316L	EN 10312	200 - 1000 ppm of Chloride	Potable Water, Drinking Water, Cold & Hot Water Application, Especially Effective For Costal Region.
	304	JIS 3448	Upto 200 ppm of Chloride	
Fittings	316L	DVGW	200 - 1000 ppm of Chloride	
	304	JWWAG116	Upto 200 ppm of Chloride	
EPDM o-ring Sealing Gasket			Min. Temp. - 20°C	Crimping type V-Press
			Max. Temp. 110°C	
Schedule Pipes	316 / 304	AISI 269		Heat Exchanger or Condenser
		ASTM A312		Pipelines
Seamless Pipes	316 / 304	AISI 269		Heat Exchanger or Condenser
		ASTM A312		Pipelines

HIGH-TECH PIPE MANUFACTURING

1. Longitudinal electro-welding in neutral atmosphere.
2. Checked with the eddy current system with procedures s.e.p. 1914 & s.e.p 1925.
3. Product's dimensional tolerance meets EN 10312 & JIS 3448 standards.
4. Pipes are marked with indelible inks and plugged on both ends.
5. Marked with producer logo, material details, product dimensions and heat number.

FINEST FITTING PROFILE

1. Made according to the specification of DVGW W534 & JWWA G116 (SS fittings for drinking water).
2. Type of profile adopted is "v-press" with hexagonal pressing.





GASKETS SEALS-O-RING

1. O-ring is made up of EPDM (ethylene propylene diene monomer).
2. Ensures safe and durable use for civil and industrial applications.
3. Temperature handled by sealing gaskets is -10°C to $+110^{\circ}\text{C}$.
4. EPDM O-Ring complies with International standard EN 681-1.

EXTENSIVE RELEVANCE WITH SUPREME QUALITY



FIT FOR DRINKING WATER

Clean | Safe | Uncontaminated



SUITABLE FOR FIRE PROTECTION

Suitable for firefighting & sprinkler systems with pressure up to PN 12



APT FOR HEATING/ COOLING

With stands temperature from -20 C to 110 C



THE PRESS-FIT SYSTEM IS SAFE & HYGIENIC

Our press-fit system is safe and beneficial in all applications for drinking water



SUITABLE FOR COMPRESSED AIR/GASES

Working pressure EN 316L - 16 bars & tested up to 25 bars
JIS 304 - 12 bars & tested up to 20 bars



COMPETENT TOOLS FOR EFFICIENT PERFORMANCE

The tools are designed for effortless handling and installation of the system, even in the most challenging environments.

CUTTING TOOL

Irrespective of the site complications, our tools are designed for effortless handling and installations. Our mechanical cutting tool comes in 3 sizes (15 - 40 mm, 15 - 64 mm and 15 - 108 mm), with a long-lasting changeable cutting blade. The tool is just fitted on the pipe at the required length and rotated.

PRESS TOOLS

Our electro-mechanical pressing tool consists of an electro-mechanical unit and a set of 5 jaws. While there is a choice of making the pipe connections in different size ranges, we extend it to a range of 3 electro-mechanical press tools:

1. Mains operated electro-mechanical pressing units
2. Self-monitoring sensor system
3. Manual pressing unit



EASY INSTALLATION PROCESS

A set of pressing jaws for the pipe size is fitted into the pressing unit. The automatic action of all pressing units always ensures the required maximum force is applied on the jaws or collars reliably.

INSTALLATION

1. Tube is cut to the required length using the mechanical cutting tool.
2. Tube is pushed in the stainless-steel press fittings until the tube stops.
3. Jaws of the electro-mechanical press tool are then fitted on the press-fitting where a single button operates the press tool and the joint is crimped.
4. The crimped joint is checked using the gauge.



Disclaimer : The brand of tools may change as per company discretion.

COMPARISON OF VARIOUS PLUMBING MATERIALS






Parameter	GI	PPR	CPVC	Copper	Stainless Steel	Remarks
Maintenance Free Life	+	+++	++	+++	+++++	No need of replacement for up to 50 years
Saves Installation Time	+	+++	+++	++	+++++	Fast to install (approx. half time of GI piping)
Earthquake Proof	+++	++	++	+++	+++++	Withstands vibrations and shocks due to its ductile nature
Corrosion Resistant	+	+++++	+++++	++++	+++++	Offers best corrosion resistance
Ease of Installation	++	++	+++	++	+++++	Fast installation with very few workers
Cleanability	+	++	++	++++	+++++	No deposit buildup due to smooth surface
Fire Resistant	++++	+	+	+++	+++++	Withstands high temperatures
Water Quality Effect	+	++++	++++	++++	+++++	No change in water quality during storage
Application Range	+++	++	++	++++	+++++	Used for passages of air, water and various other gases
Cost	++	+++	+	+++++	+++++	Offers Best Life Cycle Value

+- Poor | +++++ - Best

ENSURE THE SAFETY WITH AMRIT- STAINLESS STEEL WATER TANK



PREVENTS YOU & YOUR FAMILY FROM

		
Liver Problems	Increase in Breast and Prostate Cancer	Infertility Miscarriages in Females
		
Allergies & Neurological Problems	High stress levels due to toxins released by Plastic	

AVAILABLE IN:
4, 5, 6 & 7 Layers

CAPACITY:
500 To 5000 Ltrs.



**BENEFITS OF MULTI LAYER
STAINLESS STEEL WATER TANK:**



100% Bisphenol
A Free



Surgical
Stainless Steel



Maintains
Temperature

#SwitchToStainlessSteel

OUR KEY CLIENTELE



ABOUT US



PLUMBING

An integrated stainless steel plumbing solution provider with comprehensive pipes and fittings solutions in grade EN 316L and JIS 304 & 316L guaranteeing quality products with easy installation.

INFRA

We are committed to crafting innovative designs and redefining functionality for commercial, residential, and public sector projects. With a wide variety of stainless steel solutions, Jindal Arc Infra provides infrastructural products that cater to the specific needs of every project.



Assisting various companies in procuring stainless steel products and components across industries. It extends exhaustive capabilities and aggressive support in product development and delivery.



HOMEWARE

India's first segment proffering a broad homeware range for its patrons, comprising Tableware, Home Decor, Serveware, Dinnerware, Cutlery, Boxes & Jars, and Barware.

HOMESPACES

We are committed to creating a 'healthy stainless steel culture' for Indian homes by offering a range of kitchen solutions including Arttdinox, Arc Kitchens, and commercial kitchens that combines modern sensibilities with durability.



STAINLESS STEEL

INTEGRATED

PLUMBING SYSTEM

**JINDAL™
arc**

Jindal Lifestyle Limited.

Stainless Centre, Plot No.50, 6th Floor, Sector-32, Gurugram, Haryana - 122001, India

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